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## NOTICE OF ALLOWANCE AND FEE(S) DUE

20995 7590 05/14/2008 KNOBBE MARTENS OLSON & BEAR LLP 2040 MAIN STREET FOURTEENTH FLOOR

IRVINE, CA 92614

EXAMINER
PIZARRO CRESPO, MARCOS D
ART UNT PAPER NUMBER
2814
DATE MAILED: 05/14/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/646,103	08/22/2003	Harry Liu	MICRON.214DDV1	8412

TITLE OF INVENTION: PASSIVATED MAGNETO-RESISTIVE BIT STRUCTURE AND PASSIVATION METHOD THEREFOR

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$0	\$1400	\$1440	08/14/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FFE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

## PART B - FEE(S) TRANSMITTAL

# Complete and send this form, together with applicable fee(s), to: Mail Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

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appropriate. All further indicated unless corrects maintenance fee notifica	correspondence includir ed below or directed oth	or transmitting the 188 ig the Patent, advance herwise in Block 1, by	orders and notification of r (a) specifying a new corres	naintenance fees will pondence address; a	be mailed to the current nd/or (b) indicating a sep	snould be completed when t correspondence address a arate "FEE ADDRESS" fo
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IRVINE, CA 92	614					(Depositor's name)
						(Signature)
						(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	Α	TTORNEY DOCKET NO.	CONFIRMATION NO.
10/646,103	08/22/2003		Harry Liu	•	MICRON.214DDV1	8412
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APPLN, TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE I		
nonprovisional	NO	\$1440	\$0	\$1400	\$1440	08/14/2008
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PIZARRO CRES		2814	438-003000			
"Fee Address" ind PTO/SB/47; Rev 03-0 Number is required.	ondence address (or Cha B/122) attached. ication (or "Fee Address )2 or more recent) attach	inge of Correspondence "Indication form and Use of a Customer	listed, no name will be	vely, e firm (having as a m agent) and the names meys or agents. If no printed.	ember a 2	
PLEASE NOTE: Uni recordation as set fort (A) NAME OF ASSI	less an assignee is ident h in 37 CFR 3.11. Comp GNEE	ified below, no assigned eletion of this form is NO	THE PATENT (print or type data will appear on the pOT a substitute for filing an (B) RESIDENCE: (CITY	atent. If an assignee assignment. and STATE OR CO	UNTRY)	
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4a. The following fee(s)  Issue Fee Publication Fee (N	vo small entity discount p		4b. Payment of Fee(s): (Plea  A check is enclosed.  Payment by credit car  The Director is hereby overpayment, to Depo	d. Form PTO-2038 is	s attached.	shown above) eficiency, or credit any un extra copy of this form).
- 11	s SMALL ENTITY state	as. See 37 CFR 1.27.			ENTITY status. Sec 37 C	
NOTE: The Issue Fee an interest as shown by the	d Publication Fee (if req records of the United Sta	uired) will not be accept ites Patent and Trademar	ed from anyone other than t rk Office.	he applicant; a registe	ered attorney or agent; or t	he assignee or other party ir
Authorized Signature				Date		
Typed or printed name				Registration No.		
This collection of inform an application. Confiden submitting the complete this form and/or suggesti Box 1450, Alexandria, V Alexandria, Virginia 223	nation is required by 37 C tiality is governed by 35 d application form to the ions for reducing this but 'irginia 22313-1450. DC k13-1450.	CFR 1.311. The informat U.S.C. 122 and 37 CFF USPTO. Time will var rden, should be sent to t O NOT SEND FEES OR	ion is required to obtain or r R 1.14. This collection is est y depending upon the indiv the Chief Information Office COMPLETED FORMS TO	etain a benefit by the imated to take 12 min idual case. Any com- er, U.S. Patent and Tr D THIS ADDRESS. 5	public which is to file (an nutes to complete, includi ments on the amount of ti ademark Office, U.S. Dep SEND TO: Commissioner	d by the USPTO to process ing gathering, preparing, and me you require to complete partment of Commerce, P.O. for Patents, P.O. Box 1450

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## UNITED STATES PATENT AND TRADEMARK OFFICE

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## Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

# Notice of Allowability

Application No.	Applicant(s)		
10/646,103	LIU ET AL.		
Examiner	Art Unit		
Marcos D. Pizarro	2814		

— The MAILING DATE of this communication appears on the All claims being allowable, PROSECUTION ON THE MERTIS IS (OR REA herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other NOTICE OF ALLOWABLITY IS NOT A GRANT OF PATENT RIGHTS. If of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPI.	MAINS) CLOSED in this application. If not included appropriate communication will be mailed in due course. THIS This application is subject to withdrawal from issue at the initia
<ol> <li>This communication is responsive to the amendment filed on 3/12/2</li> </ol>	<u>0008</u> .
<ol> <li>The allowed claim(s) is/are <u>8-11,13-15 and 17-20</u>.</li> </ol>	
3.	ceived.  Selved in Application No  have been received in this national stage application from the
noted below. Failure to timely comply will result in ABANDONMENT of the THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	nis application.
<ol> <li>A SUBSTITUTE OATH OR DECLARATION must be submitted. Not INFORMAL PATENT APPLICATION (PTO-152) which gives reason</li> </ol>	
CORRECTED DRAWINGS ( as "replacement sheets") must be subniced including changes required by the Notice of Draftsperson's Pate 1)	ant Drawing Review (PTO-948) attached  ment / Comment or in the Office action of  build be written on the drawings in the front (not the back) of according to 37 CFR 1.121(d).  DLOGICAL MATERIAL must be submitted. Note the
Attachment(s)  1.   Notice of References Cited (PTO-892)  2.   Notice of Draftperson's Patent Drawing Review (PTO-948)	Notice of Informal Patent Application     Interview Summary (PTO-413),     Paper No./Mail Date
☐ Information Disclosure Statements (PTO/SB/08),     Paper No./Mail Date	7. Examiner's Amendment/Comment
Examiner's Comment Regarding Requirement for Deposit of Biological Material	8.   Examiner's Statement of Reasons for Allowance
•	9 ☐ Other

Application/Control Number: 10/646,103 (Allowance) Page 2

Art Unit: 2814

Attorney's Docket Number: MICRON.214DDV1

Filing Date: 8/22/2003

Claimed Priority Dates: 1/24/2002 (Divisional 10/057,162)

8/14/2000 (Divisional 09/638,419)

Applicant(s): Liu et al.

Examiner: Marcos D. Pizarro-Crespo

## DETAILED ACTION

This Office action responds to the amendment filed on 3/12/2008.

## Acknowledgment

 The amendment filed on 3/12/2008, responding to the Office action mailed on 12/12/2007, has been entered. The present Office action is made with all previously suggested amendments and all previously submitted information disclosure statements being fully considered. Accordingly, claims 8-11, 13-15, and 17-20 are pending in this Office action.

# Allowable Subject Matter

- 2. Claims 8-11, 13-15, and 17-20 are allowed.
- 3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Allowance"

Page 3

Application/Control Number: 10/646,103 (Allowance)

Art Unit: 2814

## Conclusion

- 4. Papers related to this application may be submitted directly to Art Unit 2814 by facsimile transmission. Papers should be faxed to Art Unit 2814 via the Art Unit 2814 Fax Center. The faxing of such papers must conform to the notice published in the Official Gazette, 1096 OG 30 (15 November 1989). The Art Unit 2814 Fax Center number is (571) 273-8300. The Art Unit 2814 Fax Center is to be used only for papers related to Art Unit 2814 applications.
- 5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marcos D. Pizarro-Crespo at (571) 272-1716 and between the hours of 10:00 AM to 8:30 PM (Eastern Standard Time) Monday through Thursday or by e-mail via <a href="Marcos.Pizarro@uspto.gov">Marcos.Pizarro@uspto.gov</a>. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wael Fahmy, can be reached on (571) 272-1705.
- 6. Any inquiry of a general nature or relating to the status of this application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the

Application/Control Number: 10/646,103 (Allowance)

Art Unit: 2814

automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

7. The following list is the Examiner's field of search for the present Office Action:

Field of Search	Date
U.S. Class / Subclass(es): 365/158,171-173; 438/3,48; 257/E43.006	5/10/2008
Other Documentation:	
Electronic Database(s): EAST (USPAT, EPO, JPO)	5/10/2008

## /Marcos D. Pizarro/

Marcos D. Pizarro-Crespo Patent Examiner Art Unit 2814 571-272-1716 marcos.pizarro@uspto.gov

MDP/mdp May 16, 2008